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	Application No.	Applicant(s)	•
Notice of Allowability	10/709,310 Examiner	HUNG ET AL. Art Unit	1
	Lex Malsawma	2825	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED ir or other appropriate commu GHTS. This application is s	n this application. If not includunication will be mailed in due	led course. <b>THIS</b>
1. This communication is responsive to 28 April 2004.			
2. ☑ The allowed claim(s) is/are <u>9-25</u> .			
3. A The drawings filed on 28 April 2004 are accepted by the Ex	kaminer.		
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" on oted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the cash sheet. Replacement sheet(s) should be labeled as such in the depose attached Examiner's comment regarding REQUIREMENT is	been received. been received in Application cuments have been received of this communication to file ENT of this application.  Itted. Note the attached EXA is reason(s) why the oath of the submitted. On's Patent Drawing Review Amendment / Comment or the header according to 37 CF is it of BIOLOGICAL MATE	on No  d in this national stage applicate a reply complying with the research of the Office action of the drawings in the front (not the R 1.121(d).  ERIAL must be submitted.	quirements NOTICE OF
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview So Paper No./ 8), 7. ☐ Examiner's	formal Patent Application (PToummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allo	·

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## Remarks

1. Claims 9-25 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claims 9-19 are allowable primarily because the references of record, singly or in combination, cannot anticipate or render obvious the following limitations (in combination as recited in claim 9): forming a stacked structure including the capping layer and the control gate; forming a tunnel oxide layer on sidewalls of the control gate and the substrate; and forming a pocket well implant in the substrate around the drain.

Claims 20-25 are allowable primarily because claim 20 requires a split-gate flash memory including at least a floating gate on a sidewall of a control gate and a pocket p-well located around the drain, wherein the programming operation requires applying a fourth voltage to the drain while grounding the pocket p-well. In other words, the unique combination of device features allows a programming operation, which cannot be fairly suggested by the references of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lex Malsawma whose telephone number is 571-272-

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1903. The examiner can normally be reached on Mon-Fri (8 hours between 5:30AM and

8:00 PM EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Lex Malsawma

September 30, 2004

MATTHEW SMITH
SUPERVISORY PATENT EXAMINER

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